

IIT Hyderabad
Department of Chemistry
Advertisement for Project Assistant (JRF)

A position of Project Assistant/Junior Research Fellow is available in the Biophysical Chemistry Group at Department of Chemistry, IIT Hyderabad to work on a DST sponsored project **SRG/2020/000248**, titled:

“Exploring Novel Nucleoside Analogues to Probe the Key Protein-DNA Interactions Using Spectroscopic Tools”

Project No.	SRG/2020/000248
Designation	Junior Research Fellow (JRF)
Principal Investigator	Dr Krishna Gavvala
Position Available	01
Tenure of the Project	24 months
Essential Qualification	M.Sc. (Chemistry/Biology) with a minimum of 60% Marks
Monthly Stipend	As per the norms of SERB
Desirable	With CSIR/UGC-NET or valid GATE score; Experience in spectroscopy is a plus.
Selection Procedure	Selection will be based on the performance of the candidate during the interview conducted by the committee. Candidate with valid NET/GATE score will be encouraged to apply for the IITH Ph.D. Program.

Numerous key biology mechanisms rely on dynamic interactions of proteins with nucleic acids that induce local and transient changes in the DNA structure. The present proposal aims to explore DNA-protein interactions by means of photophysical properties of fluorescent nucleoside analogues using spectroscopic tools. We would basically search for the universal nucleobase analogues with excellent photophysical properties. Because, understanding photophysics of nucleoside analogues helps in choosing the right probe for the selective medium. Moreover, sensitivity of the fluorescent nucleosides with surrounding environments would be beneficial for deciphering mechanism of action of DNA in biological processes.

Interested candidates are required to submit their application (Curriculum Vitae as well as a copy of M.Sc. Degree certificate and GATE/NET examination certificate if applicable) through an email to Dr Krishna Gavvala (kgavvala@chy.iith.ac.in) with the subject line “Application for the Position of JRF” by **1st March 2021**.